

IVANOV, N.N.; KARPIN, Ye.B.; OSTROVSKIY, I.G.; TOKMACHEV, A.F.

Continuous automatic pneumatic weighing batchers. Priborostroenie
no. 12:16-18 D '60. (MIRA 14:1)
(Weighing machines)

KARPIN, Ye.B., kand. tekhn. nauk; SOKOLOV, A.Ya., doktor tekhn.
nauk, prof., retsenzent; POGOSOV, G.S., kand. fiz.-mat.
nauk, dots., red.; VOSKRESENSKIY, N.N., inzh., red.izd-
va; NODEL', B.I., tekhn. red.

[Design of weighing and proportioning mechanisms] Raschet
i konstruirovaniye vesoizmeritel'nykh mekhanizmov i dozato-
rov. Moskva, Mashgiz, 1963. 523 p. (MIRA 17:3)

_____ Kuznetsov, Ye.B., kand. tekhn. nauk

Study of the resilient state of a rotating disc. Topic corrected.
10 no.2:13-20 F '65. (CIA 18:3)

1. Kuznetsovskiy trubinnyy zavod.

L 22290-66 EWA(h)/EWP(k)/EWT(d)/EWT(m)/ETC(m)-6/EWP(w)/EWP(v) IJP(c) EM/WW
 ACC NR: AP6007308 UR/0096/66/000/003/0053/0057 65

AUTHOR: Karpin, Ye.B. (Candidate of technical sciences); Kostyuk, A.G. (Candidate of technical sciences); Zuyeva, G.K. (Engineer); Piruyeva, L.V. (Engineer); Sokolov, V.S. (Engineer)

ORG: MEI-KTZ

TITLE: Calculation of unsteady state temperature fields in plates and shells using a computer

SOURCE: Teploenergetika, no.3, 1966, 53-57

TOPIC TAGS: temperature distribution, computer program, computer calculation, *temperature, shell structure, aerospace structure*

ABSTRACT: The article proposes approximate methods for calculating unsteady state temperature fields which greatly simplify the calculation and which give results which are satisfactory in accuracy for practical purposes. The mathematical development of the method considers a shell of arbitrary shape and variable thickness, with respect to a curvilinear orthogonal coordinate system. The remainder of the article consists of the working out of a detailed computer program for the given problem. The method and the program were used to investigate the effect of different factors on the temperature field and the stresses in turbine vanes and disks. Calculated results are shown in a figure. The solution of

UDC: 536.12.681.142.35.001.24

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L 22290-66

ACC NR: AP6007308

the above problem (for heating for a period of 300 seconds) required about 0.75 hours of machine time. In addition, about 0.75 hours are spent in preparing the perforated tape from the starting data. Solution of an analogous problem by hand methods would take about 200 hours. Orig. art. has: 22 formulas and 6 figures.

SUB CODE: 20,09/SUBM DATE: none/ ORIG REF: 007/ OTH REF: 001

Card 2/2 nat

L 27358-66 EWT(m)/EWA(d)/EWP(t) IJP(c) JD

ACC NR: AP6008701

(N)

SOURCE CODE: UR/0380/65/000/006/0086/0095

AUTHORS: Petrusevich, A. I. (Doctor of technical sciences)(Moscow); Karpin, Ye. B. (Moscow); Misharin, Yu. A. (Moscow); Ryzhov, N. M. (Moscow)

ORG: none

TITLE: The contact strength of cement and nitrided steels

SOURCE: Mashinovedeniye, no. 6, 1965, 86-95

TOPIC TAGS: carburization, nitridation, lubricant, case hardening, hardness, steel, lubricating oil, mineral oil/ 12Kh2N4A steel, 12KhN3A steel, EI-712 steel, EP-176 steel, OKhN3MFA steel, 38KhMYuA steel, 30Kh2N2VFA steel

ABSTRACT: The results of contact-strength tests of steels for gears conducted at the State Scientific Research Institute of Mechanical Engineering (Gosudarstvennyy nauchno-issledovatel'skiy institut mashinovedeniya) are reported. A roller

specimen with a diameter of 30 mm is compressed with a force Q on both sides by pressure disks with a diameter of 120 mm (see Fig. 1). The speed of the roller is 7820 rpm and of the disks 2065 rpm. A negative specific slip of 6% is created on the roller for a slip speed of 0.7 m/sec. The roller receives 982 000 cycles

Card 1/2

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L 27358-66

ACC NR: AP6008701

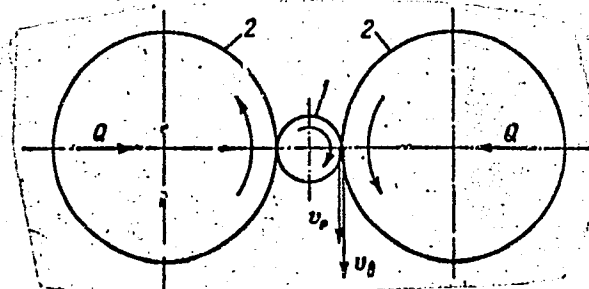


Fig. 1. Testing diagram:
1 - roller specimen;
2 - pressure disks.

per hour. The use of synthetic diester lubrication was found to increase the possible number of cycles (as compared with mineral oil) with 12Kh2N4A cement steel. It is found that parkerizing does not lead to a reduction in the contact strength of 12KhN3A steel. It was also found that oxide coating and oxide parkerizing do not lower the contact strength of 12Kh2N2A and EP-176 steels. The contact strength of OKhN3MF with two-step nitriding is approximately the same as that of 3OKh2N2VFA steel. Electrolytic polishing of OKhN3MFA steel did not give positive results, but it was effective with 3OKh2N2VFA steel. There was no scaling in ground specimens of OKhN3MFA and 3OKh2N2VFA steels. Orig. art. has: 1 diagram, 2 graphs, 2 photographs, and 8 tables.

SUB CODE: 31/ SUBM DATE: 24 May 65/ ORIG REF: 004
Card 2/2 - 30

KARPIN Ye. B.

GERNET, M.M., doktor tekhn.nauk, prof.; DIKIS, M.Ya., doktor tekhn.nauk, prof.; LUK'YANOV, V.V., doktor tekhn.nauk, prof. [deceased]; POPOV, V.I., doktor tekhn.nauk, prof.; SOKOLOV, A.Ya., doktor tekhn.nauk, prof.; SOKOLOV, V.I., doktor tekhn.nauk, prof.; SURKOV, V.D., doktor tekhn.nauk, prof.; BARANOVSKIY, N.V., kand.tekhn.nauk, dots.; BROYDO, B.Ye., kand.tekhn.nauk, dots.; BUZYKIN, N.A., kand.tekhn.nauk, dots.; GOROSHENKO, M.K., kand.tekhn.nauk, dots.; GORTINSKIY, V.V., kand.tekhn.nauk, dots.; GREBENYUK, S.M., kand.tekhn.nauk, dots.; GUS'KOV, K.P., kand.tekhn.nauk, dots.; DEMIDOV, A.R., kand.tekhn.nauk, dots.; ZHISLIN, Ya.M., kand.tekhn.nauk, dots.; KARPIN, Ye.B., kand.tekhn.nauk, dots.; KOSITSYN, I.A., kand.tekhn.nauk, dots. [deceased]; GEYSHTOR, V.S., kand.tekhn.nauk, dots.; MARSHALKIN, G.A., kand.tekhn.nauk, dots.; MOLDAVSKIY, G.Ye., kand.tekhn.nauk, dots.; ODESSKIY, D.A., kand.tekhn.nauk, dots.; FELEYEV, A.I., kand.tekhn.nauk, dots.; RUB, D.M., kand.tekhn.nauk, dots.; SKOBLO, D.I., kand.tekhn.nauk, dots.; SHUVALOV, V.N., kand.tekhn.nauk, dots.; KIMEL'NITSKAYA, A.Z., red.; SOKOLOVA, I.A., tekhn. red.

[Principles of the design and construction of machinery and apparatus for the food industries] Osnovy rascheta i konstruirovaniia mashin i apparatov pishchevykh proizvodstv. Moskva, Pishchepromizdat, 1960. 741 p. (MIRA 14:12)

(Food industry--Equipment and supplies)

KARPIN, Ye.K.

Practices in using floodlands. Zemledelie 6 no.1:63-65 Ja '58.
(Bryansk Province--Alluvial lands) (MIRA 11:1)

KARPEN, Z.^K, and GERMAN, A.N.

"Reservoir for application of heat and cold."

SO: Veterinariia 29(1), 1952, p 57

KARPIN, Z.K.; GERMAN, A.N.

Professor I.A. Bocharov. "Special pathology and therapy of internal non-infectious diseases of domestic animals. Veterinariia 39 no.1; 58-62 Ja '53.
(MLBA 6:1)

KARPINIEC, Mieczysław, mgr inż.

The most important problems in the Kielce region. Przegl techn no.52:
5,6 30 D '62.

1. Przewodniczący Wojewódzkiego Komitetu Prorazumiewawczego Naczelnej Organizacji Technicznej, Kielce.

KARPINISHAN, K. [Carpinisan, C], prof., doktor; BOGDAN, Tr. [Bogdan, Traian],
kand.med.nauk, doktor; KOMAN, K. [Coman, C], doktor

Decortication of the lung. Vest. khir. 90 no.3:30-35 Mr'63.
(MIRA 16:10)

1. Iz Bukharestskoy kliniki grudnoy khirurgii (dir. - prof.
doktor K.Karpinishan).
(LUNGS—DISEASES) (PLEURA—SURGERY)

KARPINISHAN, K.; KOMAN, K.; KONSTANTINESKU, K.; BADYA, D.

Significance of a mechanical suture in preventing bronchial
fistulae following lung resections. Grud. khir. 6 no.1.76-78
Ja-F '64. (MIRA 18:11)

1. Klinika grudnoy khirurgii (zav. - prof. K. Karpinishan)
bol'nitsy "Filaret", Bukharest. Adres avtorov: Bukharest,
klinika grudnoy khirurgii bol'nitsy "Filaret". Submitted
March 25, 1963.

L 40055-30
ACC NR: AP6025937

SOURCE CODE: UR/0226/66/000/007/0049/005259

AUTHOR: Afanas'yev, V. F.; Karpinos, D. M.

ORG: Institute of Problems in the Science of Materials, AN UkrSSR
(Institut problem materialovedeniya AN UkrSSR)

TITLE: Antifriction characteristics of boron nitride during dry friction in gaseous media and at low temperatures

SOURCE: Poroshkovaya metallurgiya, no. 7, 1966, 49-52

TOPIC TAGS: boron nitride, chemical compound, ~~boron nitride~~ friction, friction coefficient, ~~boron nitride wear, wear loss, wear resistance~~

ABSTRACT: The friction behavior of five series of boron nitride disks was studied under conditions of dry friction against nitrided 1Kh18N9T steel at 300, 273, 195 and 77K in air at a pressure of 133.322 n/m² and in argon, helium, and nitrogen at 300K. The series differed from one another by the density of the specimens (unspecified). Temperature was found to have a pronounced effect on the friction coefficient and wear resistance. With decreasing temperature the friction coefficient increased from 0.17—0.19 at 300K to 0.32—0.34 at 79K, and the weight loss increased from 20—21 g at 300K to 30—32 g at 77K in a two-hour test. With increasing specific pressure the weight loss increased

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L 40085-66

ACC NR: AP6025937

first fairly slowly and then sharply when a certain critical pressure had been reached (Fig. 1). At specific pressures below critical a

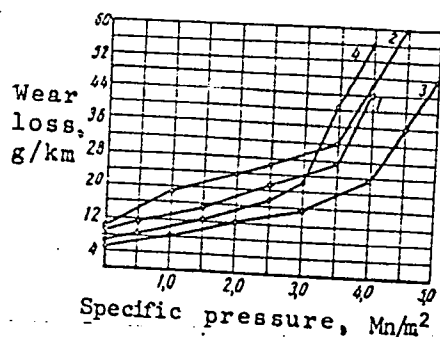


Fig. 1. Wear loss of specimens series 1, 2, 3 and 4 at 77K versus specific pressure

shiny film was formed on the specimens' surface. However, at pressures above critical the film broke down, as is indicated by a sharp break in the curves of Fig. 1. In gaseous media, friction coefficient and wear depend on the linear speed. This dependence is especially strong in nitrogen, argon, and helium, in which the respective friction coefficients increase from 0.30, 0.30, and 0.28 at a speed of 0.5 m/sec to 3.20, 3.50, and 2.80 at a speed of 10.5 m/sec. The specimen temperature in tests in air did not exceed 523K compared to 573—623K observed in tests in other gases. Orig. art. has: 3 figures and 3 tables. [DV]

SUB CODE: 11/ SUBM DATE: 20Aug65/ ATD PRESS: 5053

Card 2/2 *gd*

KARPINSKA, D.

"Preparation of patterns." p. 63. (ODZIEZ, Vol. 4, no. 3, Mar. 1953, Lodz, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No. 5, May 1954, Uncl.

KARPINSKA, D., BADENSKI, J.

"Methods of struggle for a better quality of production." p. 76. (ODZIEZ,
Vol. 4, no. 3, Mar. 1953, Lodz, Poland)

SO: Monthly List of East European Accessions, L. C., Vol. 3, No.5, May 1954, Uncl.

HORN-PACIOJOWSKA, Maria; KARPINSKA, Halina

Comparative studies on the determination of the activity of
cholinesterase (pseudocholinesterase) in the blood serum.
Wiad. lek. 18 no.16:1335-1338 15 S '65.

1. Z Centralnego Laboratorium Szpitala Miejskiego im. J. Strusia
(Kierownik: dr. med. H. Horn-Pacjojowska) i z Laboratorium Z.L.Z.
przy Zakładach Przemysłu Metalowego H. Cegielski w Poznaniu
(Kierownik: mgr. H. Karpinska).

WŁODAREK, Antonina; FALENCIK, Maria; KARPINSKA, Maria

Functional cardiac murmur in patients with abnormally small
spinal curvature. Reumatologia (Warsz.) 2 no.3:231-241 '64.

1. Z I Oddziału Chorob Wewnętrznych Instytutu Reumatologicznego
(Kierownik: doc dr med. J. Kwoczynski Dyrektor Instytutu: dr
med. W. Brühl).

KARPINSKAYA, A.

The Soviet of the Scientific Technological Society in a new role.
Zhil.-kom. khoz. 13 no.4:17 Ap '63. (MIRA 16:5)

1. Zamestitel' predsedatelya Leningradskogo oblastnogo pravleniya
nauchno-tekhnicheskikh obshchestv.
(Leningrad--Municipal services)

KARPINSKAYA, A. I. Kand. Tekhn. Nauk

Leningradskoye otdeleniye Vsesoyuznogo Nauchno-issledovatel'skogo Institut
Ministerstva stroitel'stva Predpiyatiy Mashinostroyeniya

Uchet svobodnoy emkosti i napornoy otvodosposobnoti pri raschete dozhdevoy
kanalizatsii

Page 58

KARPINSKAYA, A.M.

BAKHAR, N. P., KARPINSKAYA, A. M., Krasil'nikov, N. A., IAF, N. M.

"K Differentsial'noy Diagnostike Mezdu Sessial'nymi Zabolevaniyami i Opsholymy Golovnogo Moga."

p. 54 V 13 so Aktual'nye Problemy Nevropatologii i Psikiatrii. Mypskov 1957.

Is kafedry nervnykh bolezney i kafedry psikiatrii, Kuybyshev State Med Inst.

KLINKOVSHTEYN, G.I., kand. tekhn. nauk;; AKSENOV, V.A., inzh.;
SARKIS'YANTS, E.G., inzh.; SHUMOV, A.V., inzh.;
MANUSADZHYANTS, Zh.G., inzh.; TROSHINA, M.Ya., inzh.;
STETSYUK, L.S., inzh.; PARSHIN, M.A., inzh.; KARPINSKAYA,
I.M., inzh.; FAL'KEVICH, B.S., doktor tekhn. nauk;
ILARIONOV, V.A., kand. tekhn. nauk; POLTEV, M.K., inzh.;
KOGAN, E.I., inzh.; CHIGARKO, G.T., inzh.; KONONOVA, V.S.,
red.

[Traffic safety and safety measures in automotive transportation] Bezopasnost' dvizheniia i tekhnika bezopasnosti na avtomobil'nom transporte. Moskva, Transport, 1964. 74 p.
(MIRA 18:1)

1. Moscow. Gosudarstvennyy nauchno-issledovatel'skiy institut avtomobil'nogo transporta. 2. Moskovskiy avtomekhanicheskiy institut (for Fal'kevich). 3. Moskovskiy avtomobil'no-dorozhnyy institut imeni Molotova (for Ilarionov). 4. Vsesoyuznyy zaochnyy politekhnicheskiy institut (for Poltev).

STETSYUK, L.S.; PARSHIN, M.A.; KARPINSKAYA, I.M.; YEPIFANTSEV, A.T.;
DEBERDEYEV, B.S., red.; BODANOVA, A.P., tekhn. red.

[Road adhesion of wheels and traffic safety] Stseplenie ko-
lesa s dorogoi i bezopasnost' dvizheniia. Moskva, Avto-
transizdat, 1963. 66 p. (MIRA 17:3)

KARPINSKAYA, L.N.

KARPINSKAYA, L.N.

Increasing the draft on a drawing frame. Tekst. prom. 18 no. 3:56-58
Mr '58. (MIRA 11:3)

1. Zaveduyushchiy pryadil'nyy proizvodstvom Lezhnevskoy fabriki.
(Spinning machinery)

KARPINSKAYA, L.N.

Modernization of sliver machinery. Tekst.prom. 19 no.8:71-72
Ag '59. (MIRA 13:1)

1. Zaveduyushchaya pryadil'nym proizvodstvom Leshnevskoy
fabriki.
(Spinning machinery)

KARPINSKAYA, N.A.
DOROSHEV, I.A.; TREMBITSKIY, Ya.V.; KARPINSKAYA, N.A.; PANCHENKO, B.I.,
redaktor; VALOV, A.N., redaktor izdatel'stva; MIKHAYLOVA, V.V.
tekhnicheskiy redaktor

[Reference manual on pipes and cylinders. Compiled according
to government standards and technical specifications]
Spravochnik na truby i ballony. Sostavlen po Gosudarstvennym
standartam i tekhnicheskim usloviyam. Moskva, Gos. nauchno-
tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii,
1957. 175 p. (MLRA 10:5)

1. Russia (1923- U.S.S.R.) Ministerstvo chernoy metallurgii.
(Pipe, Steel--Standards) (Cylinders--Standards)

S/028/61/000/004/002/007
B103/B206

AUTHOR: Karpinskaya, N. A.

TITLE: Standardization of pipes and improvement of their quality

PERIODICAL: Standartizatsiya, no. 4, 1961, 26-27

TEXT: The author announces the revision of several ГОСТ- (GOST-) standards for iron- and steel pipes, and lists standards intended for future development of pipe manufacture. She considers it necessary that future modernization of existing plants and construction of modern ones should be taken into consideration when elaborating new standards with reference to assortments as well as quality characteristics. The standards intended for future use are: GOST 8732-58 for hot-rolled seamless steel pipes, GOST 8734-58 for cold-rolled and cold-drawn seamless steel pipes, and GOST 4015-58 for electrically welded steel pipes (diameters 426-1620 mm). New dimensions are laid down in them. New steel grades are provided for in GOST 631-57 for casing pipes with roll-on ends and respective sockets, as well as GOST 632-57 for drive pipes and respective sockets. These steel grades have elevated strength values; deeper boreholes and better safety and service

Card 1/4

Standardization of ...

S/028/61/000/004/002/007
B103/B206

life of pipes are warranted. Threads must, however, be adapted to international standards. The corresponding GOST will be revised in 1961. GOST 8632-57 and 8652-57 are intended for profile tubes. By using these tubes as construction elements in agricultural machine building, the weight of these machines can be greatly reduced. The new GOST 9583-61 for cast-iron pressure pipes made by centrifugal and semicontinuous casting, contains a unified assortment on the basis of the recommendation ISO/R 13, and thinner walls are provided than in GOST 5525-50 for cast-iron water pipes. Specifications of USSR standards are sometimes stricter than those abroad. Thus, closer tolerances for the wall thickness of seamless pipes of normal accuracy (GOST 8732-58 and 6734-58) are specified than in several European countries. The same holds for electrically welded steel pipes of 5-152 mm diameter (GOST 1753-53), but the assortment is not unified here, and only holds up to 152 mm diameter. This GOST will therefore be revised in 1962, the diameter extended up to 426 mm, and the interchangeability of seamless pipes safeguarded. Demands on quality will be increased according to modernization of existing, and construction of new tube mills. Standardization of new products is intended for 1961, mainly of bent tubes, the production of which is to be centralized and the assortment unified. Bent tubes

Card 2/4

Standardization of ...

S/028/61/000/004/002/007
B103/B206

are at present manufactured by consumers themselves. Unification will permit the organization of this production in tube rolling mills, making it possible to utilize scrap (short ends). On the basis of the 1961 standardization plan, a tentative standard for plastic-lined pipes will be elaborated by the NIIIsantekhnika (Scientific Research Institute of Sanitary Engineering) jointly with the Ukrainskiy nauchno-issledovatel'skiy trubnyy institut (Ukrainian Scientific Pipe Research Institute). This type of corrosion-resistant pipes permits the saving of pipes from stainless steel (in short supply). Noncompliance with standards has so far been caused by insufficient thermal capacity and obsolete machinery. Thus, for instance, consumers are supplied with untempered pipes according to GOST 8732-58, and they often temper pipes themselves by primitive methods, or use them in crude state, thus making it necessary to use pipes of greater wall thickness than required. The author mentions that the following plants have obsolete machines: Novotrubnyy zavod (Novotrubnyy Plant), Chelyabinskiy truboprokatnyy zavod (Chelyabinsk Tube Rolling Mill), and Izhorskiy mashinostroitel'nyy zavod (Izhora Machine Building Plant). Most plants are lacking modern apparatus for finishing pipe ends (including thread cutting); furthermore, the capacity of hydraulic presses is insufficient. All these

Card 3/4

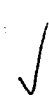
S/028/61/000/005/004/004
D210/D306

AUTHOR: Karpinskaya, N.A.

TITLE: Precision steel tubes. New state standard specifications GOST 9567-60. Precision steel tubes. Assortment. To be put into operation on July 1, 1961

PERIODICAL: Standardizatsiya, no. 5, 1961, 49-50

TEXT: The standard specification concerns hot-rolled, cold drawn, cold rolled and electrically welded high precision tubes both as to diameter and wall thickness. The amalgamation in one standard specification of weldless and electrically welded tubes with rigidly controlled dimensional tolerances is new in principle. The permissible tolerances laid down by GOST 9567-60 are not inferior to the demands of foreign standards for precision tubes. On the other hand, GOST 9567-60 provides for the incorporation of hot-rolled precision tubes which do not exist in foreign standards. Included in the assorted tables for hot-rolled tubes and for tubes made by cold



Card 1/2

Precision steel tubes.

S/028/61/000/005/004/004
D210/D306

reduction are dimensions of tubes which will be supplied after the new equipment has been put into operation and is in full working order. Cold-reduced precision tubes will be supplied for the special requirements of the customer with respect to internal diameter and wall thickness. The tolerances with respect to internal diameter for tubes having an internal diameter of not less than 10 mm must be within the limit of tolerances laid down for external diameters. With respect to types of steel and engineering requirements, hot-rolled tubes must satisfy the requirements of GOST 8731-58 "Hot-rolled seamless steel tubes. Engineering requirements", and seamless tubes after cold reduction must conform to GOST 8733-58 "Cold-drawn and cold-rolled seamless steel tubes. Engineering requirements", whereas electrically welded tubes must conform to GOST 1753-55 "Electrically welded steel tubes of 5-152 mm diameter".

Card 2/2

KARPINSKAYA, N.A.

Precision steel pipes. Standartizatsiia 25 no. 5:49-50 My '61.
(MIRA 14:5)
(Pipe, Steel—Standards)

25
34
6
3
11

KARPINSKAYA, N. A.; SAROYAN, A. Ye.; SHNEYDEROV, M. R.; BARANOV, M. I.;
KOVALEV, M. K.

Reviewing standards for drive pipes and their unions. Standarti-
zatsiia 26 no.10:21-22 0 '62. (MIRA 15:10)

(Pipe, Steel—Standards)

KARPINSKAYA, N.N. [Karpins'ka, N.M.]; KHARECHKO, G. Ye. [Kharechko, H. IE.]

Problem of certain physical properties of rocks of the northern
Sivash area. Dop. AN URSS no. 6: 740-746 '61. (MIRA 14:6)

1. Institut geologicheskikh nauk AN USSR i trest "Ukrgeo-
fizrazvedka." Predstavleno akademikom AN USSR V. G.
Bondarchukom [Bondarchuk, V.H.].
(Sivash region—Rocks—Density)

S/103/63/024/003/007/015
D405/D301

AUTHORS: Karpinskaya, N.N. and Rybashov, M.V. (Moscow)
TITLE: On a method of solution in linear-programming by means of an analog computer
PERIODICAL: Avtomatika i telemekhanika, v. 24, no. 3, 1963, 361-368

TEXT: The problem of linear programming is solved by a method involving the systematic inspection of the vertices of the polyhedron of solutions. The polyhedron is formed by the set of hypersurfaces

$$P_j = \sum_{k=1}^n a_{jk}x_k + b_j = 0. \quad (3)$$

Normally, linear programming involves solving several systems of linear algebraic equations, their number being equal to C_{m+n}^n . Therefore the well-known method of solution (by analog computers) is only expedient if the number of original inequalities is small. However, in various practical problems and also in the case of systematic in-

Card 1/2

On a method of solution ...

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D405/D301

spection of the vertices, the number of necessary solutions is much smaller than C_{m+n}^n . The systems of linear algebraic equations can be solved with the help of linear analog computers such as ЭМУ-8 (EMU-8), МН-7 (MN-7), and others. The algorithm of systematic inspection of the vertices of the polyhedron (3) consists of several steps. The first vertex found is called 'basic'. Then the values of the function $f(x)$ (which is to be minimized (maximized)) are sought at the vertices which are neighbors to the 'basic' vertex; thereby the first of the equations determining the 'basic' vertex is eliminated; the remaining $(n-1)$ equations determine the edge of the polyhedron. This process is repeated. A second (improved) version of the algorithm is also described. The method is illustrated by an example involving the minimization of the production costs of a cement mixture. There are 4 figures and 1 table.

SUBMITTED: June 1, 1962

Card 2/2

KARPIISKAYA, Regina Semenovna; ABRASHNEV, Mikhail Mikhaylovich;
SOKOLOVSKAYA, T.A., red.; LAZAREVA, L.V., tekhn. red.

[Why there should be a union of philosophy with natural
sciences] Pochemu neobkhodim soiuz filsofii i estestvo-
znaniia. Moskva, Izd-vo Mosk. univ., 1963. 37 p.

(MIRA 16:12)

(Science--Philosophy)

KARPINSKAYA, T.B.; SHANIN, L.L.; BORISEVICH, I.V.

Artificial intrusion of argon in mica, olivine, and pyroxene.
Izv. AN SSSR. Ser.geol. 30 no.11:14-16 N '65.

(MIRA 18:12)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva. Submitted July 15, 1965.

KARPINSKAYA, T.B.; OSTROVSKIY, I.A.; SHANIN, L.L.

Artificial injection of argon into mica at high pressure and
temperatures. Izv. AN SSSR. Ser.geol. 26 no.8:99-103 Ag '61.
(MIRA 14:9)

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(CEREBROVASCULAR DISEASES)

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SSSR, Moskva.

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Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 47602

Author : Ivan Karpinski

Inst : Institute for Testing Materials of Serbian People's
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Title : Activity Tests by Accelerated Corrosion Method of Ash
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Orig Pub : Saopst. Inst. ispitiv. mater. NRS, 1956, 4, No 4, 21-55.

Abstract : The tests consisted in the determination of the relative
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~~FISCHER, F.A.~~

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PHASE I BOOK EXPLOITATION

POL/5981

Symposium on Electroacoustic Transducers. Krynica, 1958

Proceedings of the Symposium on Electroacoustic Transducers [held in] Krynica, 17-26 September, 1958. Warsaw, Państwowe Wydawnictwo Naukowe, 1961. 442 p. Errata slip inserted. 630 copies printed.

Sponsoring Agency: Polish Academy of Sciences. Institute of Basic Technical Problems.

Ed. in Chief: Janusz Kacprowski, Doctor of Sciences; Editing Committee: Ignacy Malecki, Professor, Doctor of Sciences; Wincenty Palczuk, Doctor; and Jerzy Wehr, Master of Sciences; Secretary: Juliusz Mierzejewski.

PURPOSE: This book is intended for physicists and acoustical engineers.

COVERAGE: The book is a collection of detailed research papers constituting the proceedings of a conference held in Krynica from 17 to 26 September 1958 under the auspices of the Institute of Technical Problems, Polish Academy of Sciences.

Card 1/8

Symposium on Electroacoustic Transducers

PC/5981

The following basic problems are treated: 1) theoretical research on energy transformation processes; 2) experimental development of new types of transducers; 3) electroacoustic measurements; 4) technology of piezoelectric and magnetostrictive materials; 5) construction of transducers for technical needs; and 6) design of acoustical transducer systems. No personalities are mentioned. References (if any) follow the individual articles.

TABLE OF CONTENTS:

Preface

Problems of Research Work on Electroacoustic Transducers. Ignacy Malecki,
President of the Conference

Ch. 1. General Problems and Theory of Electroacoustic Transducers
1. Classification of electromechanical transformation methods in the
light of the tasks faced with in [sic] the design and construction
of electroacoustic equipment. V. S. Grigor'yev

Card 2/8

Symposium on Electroacoustic Transducers

POL/5981

36. Underwater piezoelectric electroacoustic transducer with a flat frequency response from 100 Hz to 100 kHz. Zygmunt Nagiello 353
37. Splitting of ultrasonic pulse in magnetostrictive transducers fed by overvolting systems. Jerzy K. Skrzela 361
38. Calibration exciter for checking accelerometers. Per V. Bruel 375
39. Calibrator for phonograph pickups. Zygmunt Komornicki 379
40. Non-reflecting piezoelectric probe and equipment for measuring ultrasonic field intensities in fluids. J. Karpinski and J. Wehr 385
41. Investigation of the bases of ultrasonic generation in a flow-type equipment. Boleslaw Lesniak 393
42. Ultrasonic hydrogenerators. C. Wachtl, A. Sigalin, and E. Karczmarczyk 401
43. Particular case of mechanoelectric transducer applied to steel construction testing. Stefan Ziemba and Jerzy Kasinski 405

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Nauk, Warszawa.

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Mechanik 35 no.5:286-287 My '62.

1. Wojskowa Akademia Techniczna, Warszawa.

1ST AND 2ND COPIES															PROCESSING AND PROPERTY INDEX															3RD AND 4TH COPIES																													
<div style="font-size: 2em; font-weight: bold; text-align: center;">AM</div>															<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>KARPINKKI (J.). <i>Průby walki s chrabáčkem (Melolontha sp.) na pomykce grube Beauveria densa Pic.</i> [Experiments on the control of the cockchafer (<i>Melolontha sp.</i>) by means of the fungus <i>Beauveria densa</i> Pic.] — <i>Rozs. Nauk</i> vol. xli, 2, pp. 383 386, 1937. (German summary.)</p> <p>The experiments in 1934-5, summarized in this note, showed that under laboratory conditions the cockchafer (<i>Melolontha melolontha</i>) was much less resistant to infection with <i>Beauveria densa</i> [R.A.M., xv, p. 217] than <i>M. hippocastani</i>, as indicated by the length of the relative survival of the two species after infection; in the end, however, all the experimental insects perished, and <i>B. densa</i> was recovered from all the bodies. Infected females of the two species either did not lay any eggs at all, or did so very exceptionally, a fact which was confirmed in field experiments. In a forest, in which an infection focus by <i>B. densa</i> was artificially established, the percentage of dead cockchafers infected by the fungus was found to be 24.6 within a distance of 1 km. from the focus, 10.2 within the second km., 11.2 within the third, 0.8 within the fourth, gradually decreasing up to the seventh km., where no infected insects could be found. The infection, however, did not penetrate through the soil to the grubs.</p> </div> <div style="width: 30%; text-align: right;"> <p>ASS-SEA METALLURGICAL LITERATURE CLASSIFICATION</p> </div> <div style="width: 35%; text-align: right;"> <p>RECORD NUMBER</p> </div> </div>																																												
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„Kuszenie Wialowiescia. (Harazmus) Sport i Chryztyzm, 1953. 34 p. (Wialowiescia
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30: Monthly List of East European Accusations, (1953), 14, Vol. 4, no. 10, Oct. 1953,
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Vol. 5, 1954

Warszawa, Polone

SC: Monthly List of East European Accessions, (EEAI), LC, Vol. 5, No. 10 Oct. 56

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SOURCE: EEAL LC Vol. 5, no. 10, Oct. 1956

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Oct. 1954 Poland

SO: EEAL LC Vol. 5, no. 10, Oct. 1956

KARPINSKI, JAN JERZY.

Wycieczka do puszczy. Warszawa, Panstwowe Zaklady
Wydawn. Szkolnych, 1955. 162p. (Excursion to the
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KARPINSKI, J.

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(ROZNIKI NAUK LESNYCH. Vol. 14, 1956, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

POLAND/General and Specialized Zoology - Insects.

P.

Abs Jour : Ref Zhur - Biol., No 9, 1958, 40067

Author : Karpinski, J.

Inst : -

Title : Ants in the Biocenosis of the Bialowieza National Reservation.

Orig Pub : Roczn. nauk lesn., 1956, 14, No 153, 201-221.

Abstract : Pine, and pine-fir woods especially, suffer from pests and must have a fauna of ants useful to their economy and constituted of various species. Because they are acrotropic (in the larger meaning), omnivorous and predatory *Myrmica ruginodis* and *M. laevinodis* must be cared for as well as the *Formica ruffa*. It is immediately necessary to work out a method of artificial colonization of useful ant species in the forests, and organize work for the protection and increase in numbers of ant-hills. The author recommended the breeding of specimens in laboratories for

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- 29 -

KARPINSKI, J.

Corrections to the repeated answer by Professor M. Nunberg. p. 100

SYLWAN. (Wydział Nauk Rolniczych i Lesnych Polskiej Akademii Nauk i Polskie Towarzystwo Lesne) Warszawa, Poland (Journal on forestry issued by the Section of Agricultural and Forestry Sciences, Polish Academy of Sciences; and the Polish Society of Forestry; with English and Russian summaries. Includes supplements: Biuletyn Instytutu Badawczego Lesnictwa, bulletin of the Forest Research Institute; Biuletyn Instytutu Technologii Drewna, bulletin of the Institute of Wood Technology; Przegląd Dokumentacyjny Drzewnictwa, documentation of the Institute of Wood Technology; and Przegląd Dokumentacyjny Lesnictwa, documentation of the Forest Research Institute. Monthly)
Vol. 101, no. 3, Mar. 1957

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 6, June 1959
Uncl.

COUNTRY : Poland
 CATEGORY : GENERAL & SPEC. ZOOLOGY, INSECTS
 ADD. JOUR.: Ref Zhur-Biologiya, No. 4, 1959, No. 31-1

P

Author : Karpinski, Jan, Jerzy
 INST. :
 TITLE : A Study of Bionomics of *Belovodskia* (Insecta)

ORIG. PUB.: Roczn. nauk lesn., 1958, 21, 49-60

ABSTRACT : The paper 72 pages of bionomics of the forest insect *Belovodskia* (Insecta). A list of known species in the forest which are not yet known in the literature. The paper is divided into two parts. The first part is devoted to the bionomics of the insect. The second part is devoted to the bionomics of the insect. The paper is divided into two parts. The first part is devoted to the bionomics of the insect. The second part is devoted to the bionomics of the insect. -- From the author's summary

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KARPINSKI, Jan Jerzy; TOLL, Sergiusz

Laspeyresia st. cruciana sp. nov. (Lepidoptera, Tortricidae) the Polish
larch budworm. Sylwan 56 no.1:23-28 Ja-F '62.

COUNTRY : USSR
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 ABS. SOUR. : RZKain., No. 1959, No. 11
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Sorption mechanism of hydrogen sulfide from aqueous solutions through activated carbon. Pt. 1. Chemia stosow 8 no. 1:17-26 '64.

1. Department of Inorganic Chemistry, N.Copernicus University, Torun.

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Adsorption of hydrogen sulfur from aqueous solutions by
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Vol. 5, no. 12, Dec. 1955. PRZEGLAD ODLEWNICTWA. Krakow, Poland.

SOURCE: East European Accessions List (EFAL) IC VOL. 5, No. 6, June 1956

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Poland /Chemical Technology. Chemical Products
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I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31593

Author : Karpinski Roman

Title : Infrared Drier for Drying Sand Specimens

Orig Pub: Przegl. odlewn., 1956, 6, No 7, 215-216

Abstract: No abstract.

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KARPINSKI, S., inz.

Operation and telecommunication protection services during winter
1962/63 in the territory of the Warszawa District Administration of
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New geochemical indicators. Biuletyn. p. 10

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KARPINSKI, Tadeusz, dr inz.

Analysis of the influence of the microstructure of subsurface layer normalized by high frequency currents on the fatigue resistance of steel. Przegl mach 24 no.5:150 10 Mr '65.

1. Department of Physical Metallurgy of the Warsaw Technical University.

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Determination of sulfate in bone ash samples. The
 dried Karpinski (1958) (1958) 10. Best. Just. Nucleoside
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 acid buffer of pH 4.2 and 5 ml. of 60% a.c. glycerol, then
 add dropwise 1 ml. of 10% BaCl₂ solution, then
 while stirring with an electromagnetic agitator and det. the
 resulting turbidity photometrically. Good results are ob-
 tained at SO₄ concns. of 0.005-0.01N. The error is about
 5% up to 0.005N SO₄ and at higher concns. is about 3%.
 Each detn. takes about 10 min. Bruno C. Metzner

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SOKOLOVSKIY, V.I. [translator]; SHALASHOVA, V.P. [translator]; MA-
KARENKO, Ya.I., red.; SHAGALOV, G., red.; KHOMYAKOV, A.D., tekhn.
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[Poland against the background of the world economy] Pol'sha na fone
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TURUTA, N.U., kand. tekhn. nauk; GALLIMULIN, A.T., kand. tekhn. nauk;
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inzh.; DANILOV, N.M., inzh.; KARPINSKIY, A.V., inzh.; PANCHENKO,
D.F., inzh.

Effectiveness of blasting systems in flux limestone quarries.
Vzryv. delo no.57/14:181-185 '65. (MIRA 18:11)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
'nstitut ugol'noy, rudnoy, neftyanoy i gazovoy promyshlennosti
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KANDYBA, M.I., kand.tekhn.nauk; BLAGODARENKO, Yu.L., inzh.;
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Testing of blasting delay elements. Met. i gornorud.
prom. no.4:81-83 J1-Ag '62. (MIRA 15:9)
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BOGDANOV, P.A., inzh.; BLAGODARENKO, Yu.L., inzh.; BAKHTIN, O.B.,
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zap. Ukrniiproekta no.10:126-132 '63. (MIRA 17:6)

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PANCHENKO, D.F., inzh.; KARPINSKIY, A.V., inzh.; KOVALEVSKIY,
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-Studying the character of the breaking of a rock massif by
detonating borehole charges. Vzryv. delo no.54/11:145-153 '64.
(MIRA 17:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
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Kiyev.

KARPINSKIY, G. (g. Sverdlovsk).

Study, observe and build. IUn. tekhn. 2 no.9:56-57 S '57. (MLBA 10:9)

1. Uchitel' fiziki shkoly No.9.

(Physics--Study and teaching)

KARPINSKIY, G. K.

IUnye fiziki [Young physicists]. Sverdlovsk, Sverdlovskoe kn. izd-vo, 1953. 86 p

SO: Monthly List of Russian Accessions, Vol 6 No 8 November 1953

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Fiz.v.shkole 14 no.1:67-71 Ja-F '54. (MLRA 7:1)

1. Gorod Sverdlovsk, 9-ya srednyaya shkola.
(Physics--Study and teaching)